

Procedimiento Examen Física

1 $V = 60 \text{ mt}$ $d = v \cdot t = 4 \text{ s}$
 $d = 15$ $t = V/d$

2 $3 \times 10^8 = 300 \text{ 000 000}$
 $1.5 \times 10^8 = 150 \text{ 000 000 km}$
 $3 \times 10^8 \text{ m/s (1K/1000 m)} = 3 \times 10^5$
 $1.5 \times 10^8 \div 3 \times 10^5 = 5 \times 10^2 \text{ } \mu\text{g}$
 $\frac{5 \times 10^2}{60} = 8.33 \text{ mm}$

3 $V_1 = 25$ $t_1 = 0$ $V_2 = 50$ $t_2 = 95$
 $V_1 = 50$ $t_1 = 45$ $V_2 = 0$ $t_2 = 110$

$\frac{50 - 25}{45 - 0} = \frac{25}{45} = 0.23$

C $\frac{0 - 50}{110 - 85} = \frac{-50}{25} = -2$

b $V_1 = 50$ $t_1 = 65$
 $V_2 = 25$ $t_2 = 85$

$\frac{50 - 60}{85 - 65} = \frac{0}{20} = 0$

4

$g = 9.8 \text{ m/s}^2$

$t = 4 \text{ s}$

$x = x_0 + v_0 \cdot t + \frac{1}{2} \cdot g \cdot t^2$

$x = \frac{1}{2} \cdot g \cdot t^2 = \frac{1}{2} \cdot 9.8 \cdot (4)^2$

$= 78.4 \text{ m}$

5

SHOT ON MI 9T
AI TRIPLE CAMERA